

The listing of the claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Currently Amended): Rail-guided transport system for persons and material in underground mining and tunnel construction, consisting of a railway network and transport vehicles guided in this railway network,

~~characterized in that~~ wherein

the transport vehicle, in each instance, is equipped with sensors (1-6) for detecting optical, acoustical, temperature, and acceleration data both at its front end, in the direction of travel, and at its opposite end, ~~which sensors are connected with a control computer disposed in the transport vehicle, whereby the sensors interact with active and passive signal transmitters in the railway network.~~ whereby one of the sensors is a laser scanner and the sensors are connected with a control computer disposed in the transport vehicle, which computer is part of a telematics system that monitors and controls the transport system, whereby the sensors interact with active and passive signal transmitters in the railway network, in which end

station and stop station signal transmitters that can be
freely positioned can be installed.

Claim 2 (Canceled).

Claim 3 (Currently Amended): Rail-guided transport system
according to claim 2 1,

~~characterized in that~~ wherein

the control computer is connected with the telematics system
by way of wireless LAN technology, whereby the railway
network is divided up into several Hot Spot regions.

Claim 4 (Currently Amended): Rail-guided transport system
according to claim 2 1,

~~characterized in that~~ wherein

a Leaky Feeder antenna line is provided for data
transmission and over the entire travel path.

Claim 5 (Currently Amended): Rail-guided transport system
according to ~~one of claims 1 to 4~~ claim 1,

~~characterized in that~~ wherein

the transport vehicle is equipped with optical and

acoustical signal transmitters.

Claim 6 (Currently Amended): Rail-guided transport system according to ~~one of claims 1 to 5~~ claim 1,
~~characterized in that~~ wherein
the transport vehicle is a single-track suspended railway.

Claim 7 (Currently Amended): Rail-guided transport system according to ~~one of claims 1 to 5~~ claim 1,
~~characterized in that~~ wherein
the transport vehicle is a ground railway.

Claim 8 (Currently Amended): Rail-guided transport system according to ~~one of claims 1 to 7~~ claim 1,
~~characterized in that~~ wherein
ultrasound sensors, ~~laser scanners~~, infrared sensors, acceleration sensors, imaging sensors, and microphones are used as sensors.

Claim 9 (Canceled).

Claim 10 (Currently Amended): Rail-guided transport system
according to ~~one of claims 1 to 9~~ claim 1,
~~characterized in that~~ wherein
the vehicle is equipped with at least one on-board camera,
which can be remote-controlled by the telematics central
station.